

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (cancelled): A portable photoelectric air cleaner, which includes a semi-circular body in which there are an extractor fan, a transformer, a circuit board, an ~~electrode-end-ultraviolet radiation~~ ultra violet band C radiation tube and a cathode high voltage discharge fibre line, which is characterized in that an air inlet and an outlet are formed on said body. The cathode fibre line for discharging high voltage is fixed at the air outlet. The ~~electrode-end-ultraviolet radiation~~ ultra violet band C radiation tube is fixed at the outlet which is placed in the body, and is formed in an air collector, the extractor fan is fixed between the ~~electrode-end-ultraviolet radiation~~ ultra violet band C radiation tube and the air outlet which are formed nearly inside the body.

2. (cancelled): The portable photoelectric air cleaner according to claim 1, the furthermore character is that said air collector is comprised of a space which is defined by an air collecting wall and blocking wall, the ~~electrode-end-ultraviolet radiation~~ ultra violet band C radiation tube is fixed between the front and back block walls so that the rays can't emit out of the cleaner.

3. (currently amended): The portable photoelectric air cleaner according to claim 4 9, further comprising wherein a supporting frame ~~is~~ formed in said body, at the lower end of the supporting frame ~~being~~ is provided with a power supply generator, a transformer, power source, lines and a charging battery, and at the upper end of the supporting frame ~~same~~ is provided with an electronic switcher.

4. (currently amended): The portable photoelectric air cleaner according to claim 4 9, wherein a movable handle and a movable gallus are fixed on the body, said movable gallus is connected to the body though a buckle.

5. (currently amended): The portable photoelectric air cleaner according to claim 1 9, wherein the body has charging batteries for providing power to the air cleaner, the output of said charging batteries is connected to ~~at~~the direct current(DC) input to~~inputs of~~ a circuit board.

6. (currently amended): The portable photoelectric air cleaner according to claim 2 9, wherein the body has charging batteries for providing power to the air cleaner, the output of said charging batteries is connected to ~~at~~the direct current(DC) input to~~inputs of~~ a circuit board.

7. (currently amended): The portable photoelectric air cleaner according to claim 3, wherein the body has charging batteries for providing power to the air cleaner, the output of said charging batteries is connected to ~~at~~the direct current(DC) input to~~inputs of~~ a circuit board.

8. (currently amended): The portable photoelectric air cleaner according to claim 3, wherein the body has charging batteries for providing power to the air cleaner, the output of said charging batteries is connected to ~~at~~the direct current(DC) input to~~inputs of~~ a circuit board.

9. (new): A portable photoelectric air cleaner comprising:

a semicircular body having front, top and rear portions forming a continuous curve and defining a curve front face with an air outlet portion and a curved rear face with an air inlet portion, said body having an interior portion, side portions and a flat bottom portion,

an extractor fan, a transformer, and a circuit board, being disposed within said interior portion;

a cathode fiber line for discharging high voltage being fixed to said curved front face at the air outlet portion;

an ~~electrode end ultraviolet radiation~~ ultra violet band C radiation tube being disposed within said interior portion proximate to said air outlet portion; and

an air collector formed within said interior portion between said air inlet portion and said radiation tube,

wherein the extractor fan is disposed between the ~~electrode end ultraviolet radiation~~ ultra violet band C radiation tube and the air outlet portion;

wherein said air collector is comprised of a space which is defined by an air collecting wall and a blocking wall; and

wherein said ~~electrode end ultraviolet radiation~~ ultra violet band C radiation tube is affixed between the front and back blocking walls to prevent emission of raise from the cleaner.

10. (new): The portably electric air cleaner according to claim 9, wherein said radiation tube and said fan are disposed at an angle to said flat base and are orthogonal to the direction of air flow at the air outlet portion.

11. (new): The portable photoelectric air cleaner according to claim 10 further comprising a plurality of dust partitions at said air inlet portion.